

Name _____

Triumphant Trigonometry: Unlocking Right Triangle Secrets

Short Answer Key

1. A right triangle has one angle measuring 90 degrees, and the side opposite the right angle is called the hypotenuse.
2. To find the length of the hypotenuse, you can use the Pythagorean theorem or the sine or cosine function in trigonometry.
3. To find the length of one leg of a right triangle, you can use the sine or cosine function in trigonometry.
4. The hypotenuse is the longest side of a right triangle and plays a crucial role in determining the lengths of the other sides.
5. Steps to solve a right triangle problem using trigonometry include identifying given and unknown values, choosing the appropriate trigonometric function, setting up an equation, and solving for the unknown value.

